

$$\begin{aligned}
& \mathbb{M}_{\{1,2\} \rightarrow \{1,2\}} \left[ -\frac{1}{8\,210\,508}, \right. \\
& \frac{8\,618\,686\,z_1^2}{2\,052\,627} - \frac{2\,937\,519\,z_1\,z_2}{1\,368\,418} - \frac{147\,977\,z_2^2}{2\,736\,836} + \frac{557\,701\,z_1\,\zeta_1}{4\,105\,254} - \frac{98\,782\,z_2\,\zeta_1}{684\,209} \\
& \left. \frac{60\,000\,509\,\zeta_1^2}{8\,210\,508} + \frac{216\,886\,z_1\,\zeta_2}{684\,209} + \frac{487\,561\,z_2\,\zeta_2}{1\,368\,418} - \frac{13\,585\,383\,\zeta_1\,\zeta_2}{1\,368\,418} - \frac{1\,102\,384\,\zeta_2^2}{684\,209} \right]
\end{aligned}$$